Traffic Crash Reconstruction 1

Develop the foundations for a successful traffic crash reconstruction career.

COURSE CONTENT:

- Engineering mechanics
- Equations of motion calculations
- Vehicle behavior in collisions
- Principal direction of force analysis
- Introduction to human factors
- Time-distance analysis
- Conservation of momentum
- Oblique & collinear analysis
- Post-collision drag factors
- Newton's Laws of Motion
- Identifying & analyzing road marks
- Driver strategy & tactics
- Eight real-world case studies

Based on the most recent edition of our authoritative textbook, *Traffic Crash Reconstruction*, this course focuses on analyzing and interpreting information that has been collected at lower levels of investigation in order to describe — in as much detail as possible — a traffic collision and the events leading to the actual impact.

In this course, students apply the lessons from daily lecture material to real-world case study situations. This teaching format provides the optimum training and practice in skills that are necessary for successfully reconstructing traffic crashes.

After completing Traffic Crash Reconstruction 1, students will be able to reconstruct crash situations using momentum and mechanics.

PREREQUISITES:
Crash Investigation 1; Crash Investigation 2; Vehicle Dynamics
In addition to the prerequisite courses, participants should possess an understanding of physics and math skills that include high-school level algebra, geometry, and trigonometry.

ACTAR MEMBERS EARN:
80 ACTAR CEUs

Register Now

EVERETT, WASHINGTON
Aug. 21 - Sept. 1, 2023

COURSE SPONSOR:
Everett Police Department

COURSE LOCATION:
Snohomish County 911
1121 SE Everett Mall Way
Everett, WA 98208

TUITION
$1,295 per person

REGISTRATION
Seats are limited.
Register or learn more at:
nucps.northwestern.edu/crashsequence

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